2

3

1

2

1

2

3

CLAIMS

What is claimed is:

1	1.	A method comprising:

- converting bytecodes into a graph of jop objects to track where jump
 operations pointed before modification of said bytecodes;
- adjusting constant pool references from local to global numbers based on
 said graph; and
- 6 combining said bytecodes into a bundle.
 - The method as in claim 1 wherein adjusting further comprises: combining redundant constant pool entries to form a single global constant pool entry in a shared constant pool within said bundle.
 - 3. The method as in claim 2 wherein one of said global constant pool entries is a methodref entry and an element identified by said global constant pool entry is a method copied to said bundle.
- 1 4. The method as in claim 2 wherein one of said global constant pool 2 entries is a fieldref entry and an element identified by said global constant pool 3 entry is a field copied to said bundle.s
 - The method as in claim 1 further comprising:
 performing a validation to insure that all constant pool references are
 properly resolved within said bundle.

TCW 42 04676P005X

2

3

1

2

3

7

- 6. An article of manufacture containing a sequence of code which, when 1 executed by a machine, cause said machine to perform the operations of: 2 converting bytecodes into a graph of jop objects to track where jump 3 operations pointed before modification of said bytecodes; 4 adjusting constant pool references from local to global numbers based on 5 said graph; and 6 combining said bytecodes into a bundle.
- The method as in claim 1 wherein adjusting further comprises: 1 combining redundant constant pool entries to form a single global 2 constant pool entry in a shared constant pool within said bundle. 3
 - The method as in claim 2 wherein one of said global constant pool entries is a methodref entry and an element identified by said global constant pool entry is a method copied to said bundle.
 - 9. The method as in claim 2 wherein one of said global constant pool entries is a fieldref entry and an element identified by said global constant pool entry is a field copied to said bundle.s
- 10. The method as in claim 1 further comprising: 1 performing a validation to insure that all constant pool references are 2 properly resolved within said bundle. 3

TCW 43 04676.P005X